11/26/86 A8912-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE November 14, 1986

Contact: David L. Yowell
or Sally Shank
(918) 493-3516

MONTHLY SEISMIC CREW COUNT

(Month of October, 1986)

According to the Society of Exploration Geophysicists' latest report, the number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters increased during October for the first time since July, 1985, fifteen months ago. The land crew total increased by five, and the marine crew total decreased by two for a net increase of three crews.

The October total (158) represents an increase of 2% from last month, a 56% decrease from October 1985, a 68% decrease from October, 1984, a 68% decrease from October, 1983, a 69% decrease from October, 1982, a 79% decrease from October, 1981, and a decrease of 72% from the same month in 1980.

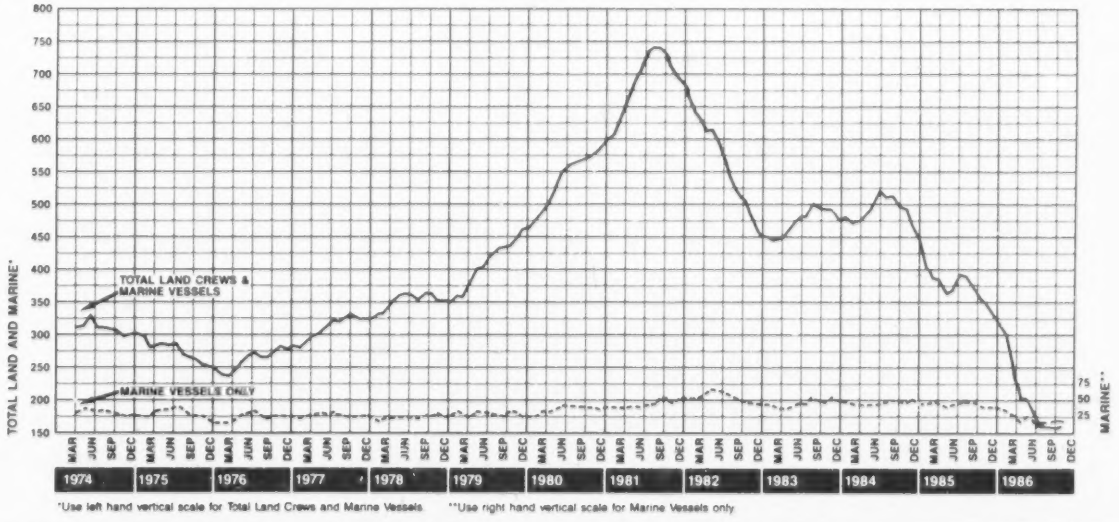
During October, two contractors were operating one of the 119 land crews and one of the eighteen vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Oct.'85	Oct.'84	Oct.'83	Oct.'82	Oct.'81	Oct.'80
	158	155	357	497	498	516	741	571

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Oct. 1985	Oct. 1984	Oct. 1983	Oct. 1982	Oct. 1981	Oct. 1980	This Mo.	Last Mo.	Oct. 1985	Oct. 1984	Oct. 1983	Oct. 1982	Oct. 1981	Oct. 1980
43 Contr's:	119	114	279	412	410	423	646	490	18	20	38	42	42	42	44	33
7 Oil Co's:	17	17	33	37	38	42	43	40	4	4	7	6	7	8	7	7
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
Totals	136	131	312	449	448	465	689	530	22	24	45	48	50	51	52	41

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



*Use left hand vertical scale for Total Land Crews and Marine Vessels. **Use right hand vertical scale for Marine Vessels only.

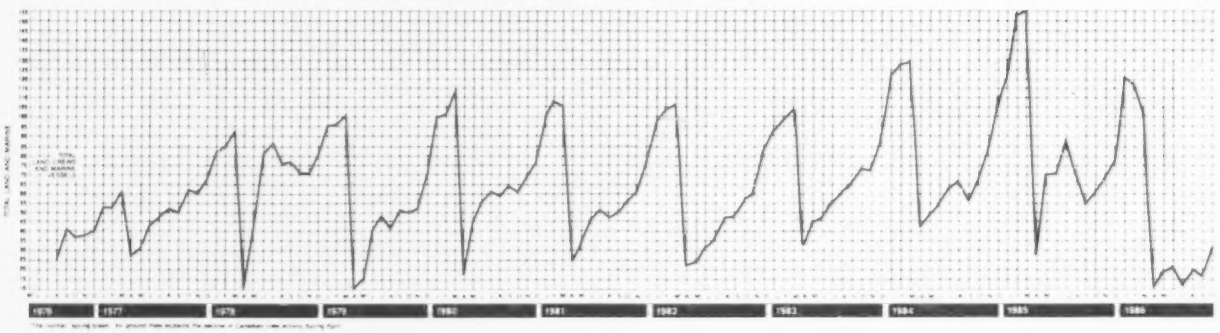
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

October, 1986 (September figures in parentheses)

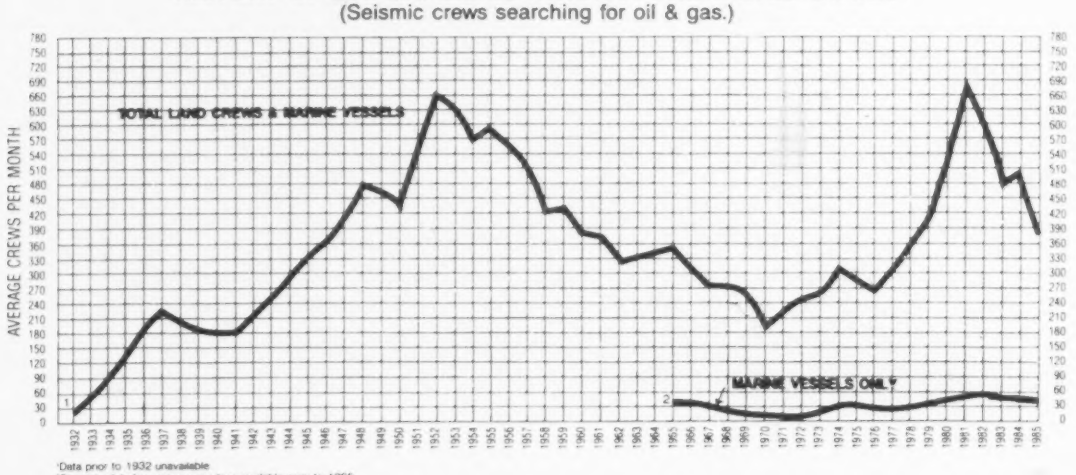
	Land Crews	Marine Vessels
17 Contractors:	32 (16)	0 (1)
0 Oil Companies:	0 (0)	0 (0)
Totals:	32 (16)	0 (1)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed in part by a grant from the International Association of Geophysical Contractors.

HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(Seismic crews searching for oil & gas.)



[1]Data prior to 1932 unavailable
[2]Separate data for marine vessels unavailable prior to 1965

12/15/86 A8912-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE December 9, 1986

Contact: David L. Yowell
or Sally Shank
(918) 493-3516

MONTHLY SEISMIC CREW COUNT

(Month of November, 1986)

According to the Society of Exploration Geophysicists' latest report, the number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters remained the same as the previous month. The land crew total increased by three, and the marine crew total decreased by three.

The November total (158) represents no increase or decrease from last month, a 54% decrease from November, 1985, a 68% decrease from November, 1984, a 68% decrease from November, 1983, a 69% decrease from November, 1982, a 78% decrease from November, 1981, and a decrease of 72% from the same month in 1980.

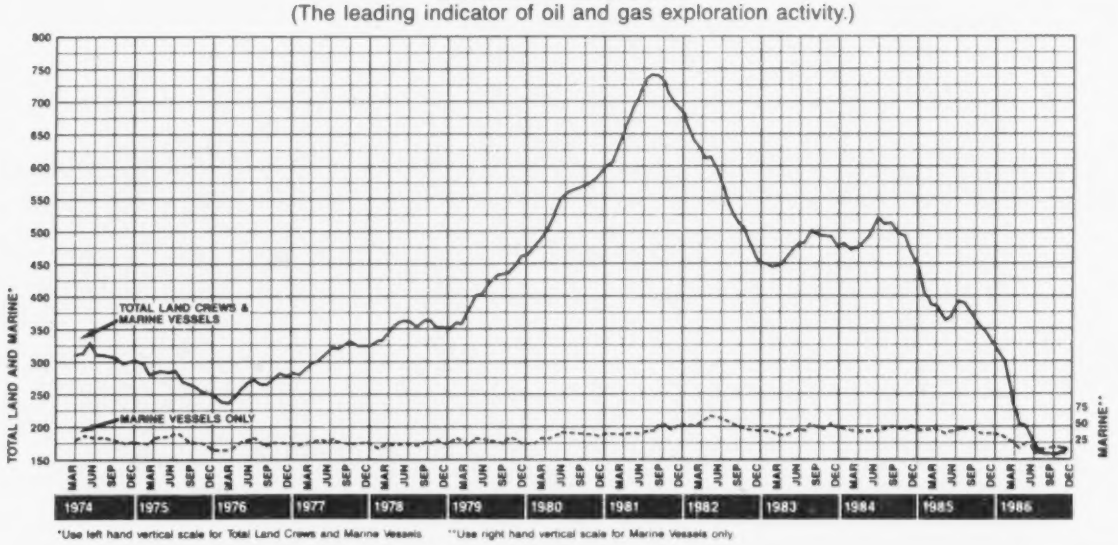
During November, three contractors were operating three of the 121 land crews and none of the fifteen vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Nov.'85	Nov.'84	Nov.'83	Nov.'82	Nov.'81	Nov.'80
	158	158	346	493	495	502	733	572

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Nov. 1985	Nov. 1984	Nov. 1983	Nov. 1982	Nov. 1981	Nov. 1980	This Mo.	Last Mo.	Nov. 1985	Nov. 1984	Nov. 1983	Nov. 1982	Nov. 1981	Nov. 1980
40 Contr's:	121	119	273	407	408	410	638	491	15	18	35	42	42	42	45	33
7 Oil Co's:	18	17	32	37	38	42	43	40	4	4	6	7	7	7	7	7
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Totals	139	136	305	444	446	452	681	531	19	22	41	49	49	50	52	41

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



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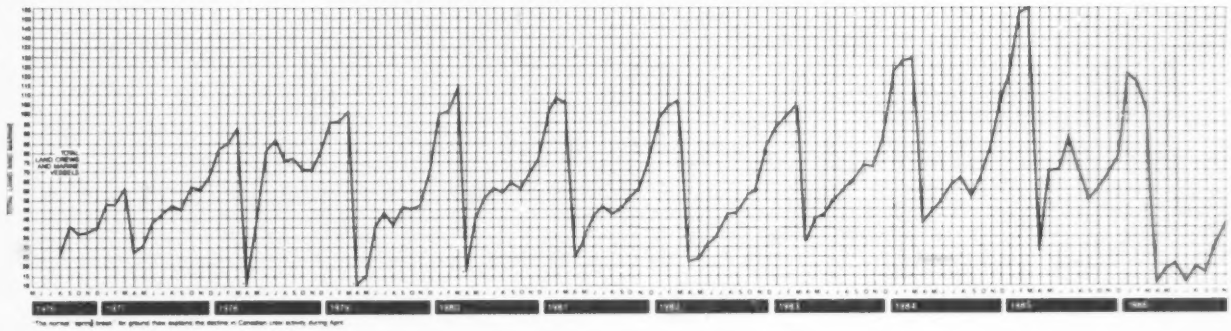
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

November, 1986 (October figures in parentheses)

	Land Crews	Marine Vessels
20 Contractors:	42 (32)	0 (0)
0 Oil Companies:	0 (0)	0 (0)
Totals:	42 (32)	0 (0)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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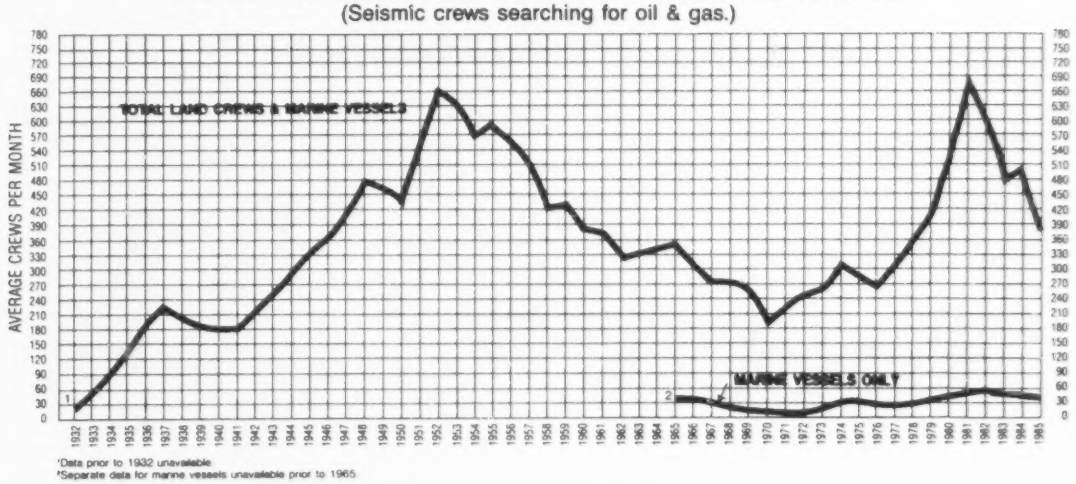
HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(Seismic crews searching for oil & gas.)



[1]Data prior to 1932 unavailable
[2]Separate data for marine vessels unavailable prior to 1965

1/21/87 A8912-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

January 9, 1987

Contact: David L. Yowell
or Sally Shank
(918) 493-3516

MONTHLY SEISMIC CREW COUNT

(Month of December, 1986)

According to the Society of Exploration Geophysicists' latest report, the number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters decreased by one crew from the previous month. The land crew total remained the same and the marine crew total decreased by one.

The December total (157) represents a decrease of 1% from last month, a 52% decrease from December, 1985, a 66% decrease from December, 1984, a 68% decrease from December, 1983, a 67% decrease from December, 1982, a 78% decrease from December, 1981, and a decrease of 73% from the same month in 1980.

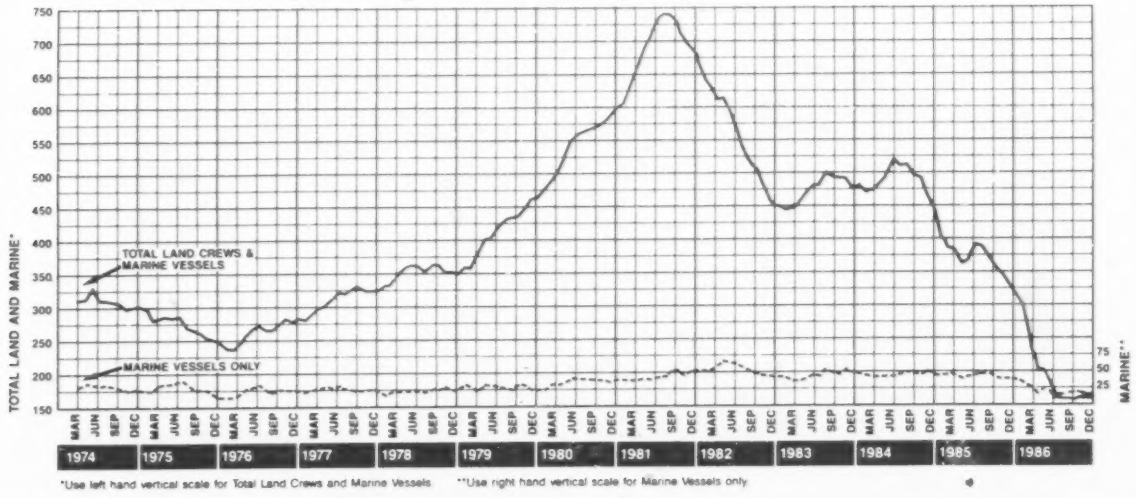
During December, three contractors were operating two of the 139 land crews and one of the eighteen vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 157	Last Month 158	Dec.'85 326	Dec.'84 466	Dec.'83 493	Dec.'82 477	Dec.'81 703	Dec.'80 580

	LAND CREWS								MARINE VESSELS							
	This Mo	Last Mo.	Dec. 1985	Dec. 1984	Dec. 1983	Dec. 1982	Dec. 1981	Dec. 1980	This Mo.	Last Mo.	Dec. 1985	Dec. 1984	Dec. 1983	Dec. 1982	Dec. 1981	Dec. 1980
39 Contr's:	121	121	255	378	408	386	613	500	15	15	33	44	41	42	39	34
7 Oil Co's:	18	18	32	36	37	42	43	40	3	4	6	8	7	7	8	6
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	139	139	287	414	445	428	656	540	18	19	39	52	48	49	47	40

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



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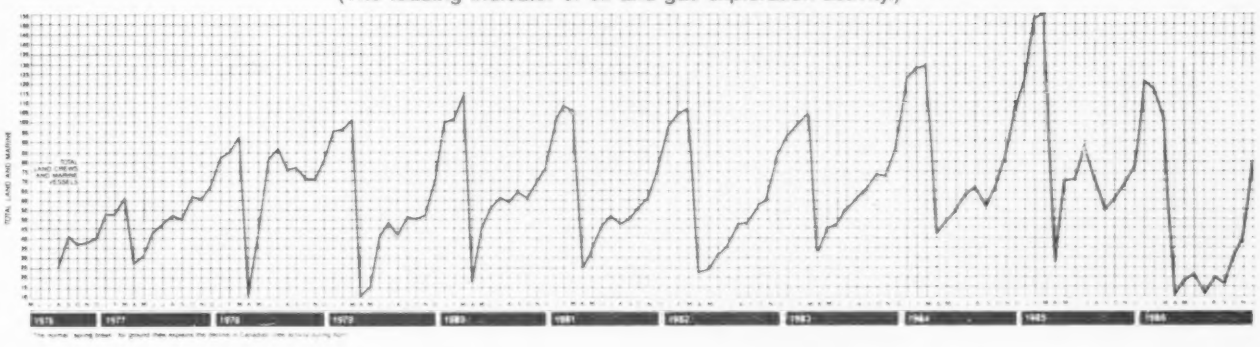
CANADIAN SEISMIC CREW COUNT

December, 1986 (November figures in parentheses)

	Land Crews	Marine Vessels
23 Contractors:	78 (42)	0 (0)
1 Oil Company:	2 (0)	0 (0)
Totals:	80 (42)	0 (0)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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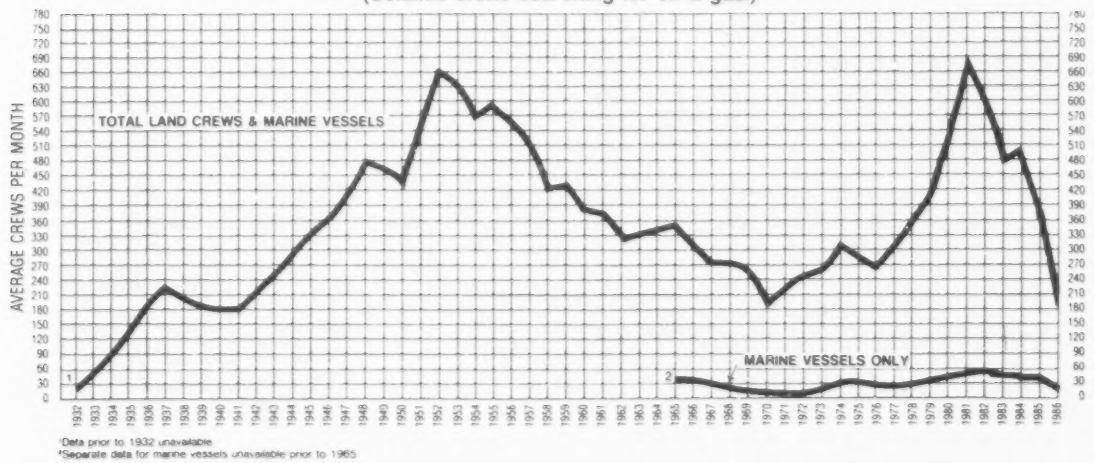

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